

**Maumee AOC Coordinator Report
for the Maumee AOC Advisory Committee
August 3, 2021**

- **WildMAPs** (*BUI 14b: Wildlife Habitat*)
 - Projects are progressing
 - ODNR Division of Forestry is still looking for replacement project acreage to acquire for enhancement, restoration, and protection. If you know of any possible property in western Lucas, eastern Fulton, or northeastern Henry counties, please let me or Don Schmenk know ASAP.
 - An updated Summary Table of the WildMAPs is attached.
 - A detailed narrative tracking of the WildMAPs is available upon request.
- **AquaMAPs** (*BUI 3a, 6, 14a: Fish Pops, Benthic Pops, Fish Habitat*)
 - Our AquaMAPs received three rounds of funding allocation in FFY21.
 - Allocated in FFY21-Q2 (10 projects) (\$8.2M)
 - 2 have been awarded
 - 6 submitted in Grants.gov
 - 2 pending NOAA Partnership
 - Allocated in FFY21-Q3 (5 projects) (\$2M)
 - 2 submitted in Grants.gov
 - 2 requested via Interagency Agreement
 - 1 not viable – need a replacement project (see below for details)
 - Allocated in FFY21-Q4 (1 project) (\$2.9M)
 - 1 requested via Interagency Agreement
 - We expect to request funding in FFY22-Q1 and Q2 for most of the remaining projects
 - NEED A REPLACEMENT PROJECT:
 - TuC-2.0 (Nissen Road) is no longer viable because the landowner is no longer interested in implementing the project.
 - USGS, BSC, Ottawa SWCD and Ohio EPA have reviewed the full list of potential projects developed by the subcommittee. Unfortunately, most of the projects in this area are vague concepts, not viable (no support from private landowners), or in the wrong section of Turtle Creek (needs to be a riverine project). BSC reached out to the one promising opportunity last month but has not received a response. Ottawa SWCD is not aware of any possible projects in this area.
 - If a substitute project CAN be found, it will be included in Ohio AOC Program request for funding in FFY22-Q1. If a substitute project CANNOT be found by Sept. 30, then no project will be implemented, and we will proceed with just the remaining MAPs for this HUC. This approach is similar to what was done with the TBD projects. Ohio's AOC program and GLNPO have agreed to this approach.
 - If anyone knows of a potential project, please contact me ASAP!
 - An updated Summary Table of the AquaMAPs is attached.
 - A narrative tracking of the AquaMAPs is available upon request.
- **SedMAPs** (*BUIs vary by project site, GLLA contaminated sediment*)
 - Ohio continues to work with federal partners to make progress on these projects.
 - Ottawa River: a final fish sampling in the upstream reach is being conducted in early August to finish the 10-Yr Remedy Effectiveness Study. Conditions during last year's sampling prohibited this work, so it will be completed this year. Data has been delayed and is not expected until late fall/winter.

- Otter Creek: Remedial dredging is complete. Sand cover placement is expected to be complete in early August. Preparations are underway for the habitat restoration work to occur in late August. The whole project is expected to be complete by late September.
- Swan Creek: Data Gap sampling is scheduled for early October by a GLNPO contractor and US EPA-ORD/FWS/ACE-Chicago. The Project Agreement for an expanded Focused Feasibility Study has been executed with Ohio EPA providing the 35% cash match for the work. We hope to begin the FFS as soon as the data gap sampling results are available.
- Maumee River-Sway Bridge & WWTP: Data Gap sampling is scheduled for early August by US ACE and US EPA-ORD/FWS/ACE-Chicago. A Project Agreement for expanded Focused Feasibility Studies for both of these areas has been executed with Ohio EPA providing the 35% cash match for the work. We hope to begin the FFS as soon as the data gap sampling results are available.
- Lower Maumee River (upstream) & Halfway/Silver/Shantee Creeks: The Decision memo for no additional GLLA work in Halfway/Silver/Shantee Creeks is final. The Upstream Lower Maumee River memo is expected to be final by fall 2021. These memos are similar to what was created for Duck Creek several years ago which essentially completes these mgmt. actions.
 - Ohio is working to secure additional non-federal cost-share funding to match future project funding needs (*i.e.*, remedial design, remediation) for these contaminated sediment projects through community partnerships, responsible parties, and cost-share projects (*i.e.*, H2Ohio).
 - An updated Summary Table of the SedMAPs is attached.
 - A narrative tracking of the SedMAPs is available upon request.
- **Misc. MAPs (BUIs 1, 4, 7, 8, 10, 11)**
 - **BUI 1: Fish & Wildlife Consumption** – Ohio EPA has begun drafting this BUI removal document.
 - **BUI 4: Deformities & Tumors** – US FWS collected brown bullhead in late May to evaluate the status of BUI 4. The community/DELT data will be collected in early August. They are collecting in the Ottawa River, Turtle Creek and Toussaint River, which is most of the HUCs impaired for this BUI. They are not collecting in Otter Creek due to GLLA project being in progress this spring.
 - **BUI 7: Dredging** – ACE and their contractor will be collecting sediment samples within the navigation channel in mid-August.
 - **BUI 10a: Beach Closings (advisories)** – Funding for this Waterfowl Deterrent project was allocated in FFY21-Q2 and the project has received its award.
 - **BUI 8b: Eutrophication** – Ohio EPA has been collecting water samples for this BUI in the Maumee River and Bay this summer.
 - **BUI 11: Aesthetics** – BUI removal is pending the Otter Creek GLLA project which is underway. Expect BUI removal package to be prepared in 2022.
- **AOC Program Updates**
 - Congratulations to the Ashtabula River AOC! They are expecting to delist Ohio's first AOC this Fall. Watch your email for an announcement of this exciting milestone!
 - US AOC Conference is scheduled for Sept. 28-30 in Muskegon, MI. The details and format are being finalized now. More information on logistics, agenda, in-person vs remote participation and travel scholarships for local advisory members are expected out this week.

Complete Management Action Project List for Maumee AOC Wildlife Habitat BUI 14b (WildMAPs)

Updated 7/29/21

On 12/14/17 the MAAC approved the projects below for recommendation to Ohio EPA. Ohio EPA endorsed these projects on 1/18/18 and US EPA accepted them on 2/12/18. It is expected that once implemented these projects will achieve the restoration target for BUI 14b: Loss of Wildlife Habitat.

Project ID	Project name (Site name)						
COMPLETED		Project Acreage	AOC GLRI Funding	Other Funding	Implementer	Funding Source	Complete
4-16	Irwin upland site 5 (Griswold property)	20	\$150,000	--	Metroparks	COMPLETE (GLRI via U.S. EPA)	9/18
6-16	Habitat Restoration Plans	0	\$400,000	--	Ohio EPA	COMPLETE (GLRI via U.S. EPA)	3/19
7-16	Maumee State Forest site 1 (Carter and Rusin-1 property)	25	\$261,668	--	ODNR-Forestry	COMPLETE (GLRI via U.S. EPA)	4/21
8-16	Maumee State Forest site 2 (Hight wetland & forest property)	75	\$99,332	--	ODNR-Forestry, TNC	COMPLETE (GLRI via U.S. EPA)	4/21
9-16	Maumee State Forest site 3 (Hight upland & flatwoods property)	85	\$95,000	--	ODNR-Forestry, TNC	COMPLETE (GLRI via U.S. EPA)	4/21
10-16	Irwin wet prairie site 3a (Neyland property)	10	\$97,300	--	Metroparks	COMPLETE (GLRI via U.S. EPA)	3/18
11-16	Irwin wet prairie site 3b	31.8	\$300,000	--	Metroparks	Funded (GLRI via U.S. EPA)	12/20
23a-17	Restoring Coastal Wetlands at Toussaint State Wildlife Area Phase I & II	63	\$600,000	\$888,000	ODNR-Wildlife, TNC, DU	Funded (GLRI via NOAA, GLFWRA, SOGL)	2019
		309.8	\$2,003,300	\$888,000			

FUNDED (In Progress)		Project Acreage	AOC GLRI Funding	Other Funding	Implementer	Funding Source	Estimated Complete
1-16	Magee Marsh State Wildlife Area	1000	\$1,075,000	--	ODNR-Wildlife	Funded (GLRI via U.S. EPA)	6/22
2-16 & 3-16	Toussaint Parcel East and Toussaint Parcel West	203	\$2,297,000	--	DU, U.S. FWS	Funded (GLRI via U.S. FWS)	Fall 2022
13-16	Navarre Unit of Ottawa National Wildlife Refuge	732	\$1,300,000	--	US FWS, DU	Funded (GLRI to U.S. FWS)	2022
14-16	Cedar Point National Wildlife Refuge Pool 2	150	\$850,000	--	US FWS	Funded (GLRI to U.S. FWS)	2021
15-16	Oak Savannah Expansion at Secor Metropark	39.3	\$510,000	--	Metroparks	Funded (GLRI via U.S. EPA)	2022
22-17	Fox Property Restoration Project	35	\$43,840	--	Friends of Ottawa National Wildlife Refuge	Funded (GLRI via U.S. EPA passthru to OEPA)	12/21
23b-17	Restoring Coastal Wetlands at Toussaint State Wildlife Area Phase III	62	\$750,000	--	ODNR-Wildlife, DU	Funded (NOAA Partnership)	Fall 2021
24-17	Penn 7 Wetland Restoration	59	\$2,786,144	--	City of Toledo, GLC	Funded (NOAA Partnership)	2022
25-17	Howard Marsh Phase 2	240	\$4,272,000	--	Metroparks, DU	Funded (NOAA Partnership)	Fall 2022
27-17	Kitty Todd Expansion	310	\$1,400,000	\$3,545,700	TNC	Funded (GLRI via U.S. EPA passthru OEPA, WRRSP)	12/21
28-17	Maumee State Forest Expansion	152	\$1,369,500	--	ODNR-Forestry	Funded (GLRI via U.S. EPA)	7/23
29-17	Maumee Bay State Park Coastal Wetland	137	\$500,000	\$2,000,000	ODNR-Wildlife, Parks	Funded (GLRI via U.S. EPA, H2Ohio)	6/22
		3119.3	\$17,153,484	\$5,545,700			

NEEDS FUNDNG/FUNDING being PROCESSED	Project Acreage	Funding Needed	Other Funding	Proposed Implementer	Funding Status
ALL Projects Funded	0	\$0	\$0		

3429.1 = Total Acres of Recommended MAPs
 3427.0 = BUI 14b Target Acreage
 -2.1 = Remaining Acres that Need to be Identified*

Estimated **Total AOC GLRI Funds** = \$19,156,784 \$6,433,700 = Estimated **Total Non-AOC GLRI Funds**
 Estimated **Total Cost** = \$25,590,484
 Estimated **Funding Needed** = \$0

Estimated **Percentage of Non-AOC Funds Leveraged** = 25.1%
 Estimated **Cost per Acre to Achieve Target**** = \$7,467.31

* Based on past experience, it is expected that the actual acreage of projects will change slightly as they are implemented. Any remaining acreage needed to achieve the BUI 14b restoration target is expected to be realized through project(s) that have similar objectives to this BUI target, but are funded by non-AOC GLRI sources.

** In NW Ohio in-lieu mitigation costs average \$48,000 per acre and mitigation bank costs average \$35,000 per acre in 2016

Complete Management Action Project List for Maumee AOC Aquatic BUIs 3a, 6, and 14a (AquaMAPs)

Updated 7/29/21

On 4/30/20 the MAAC approved these projects for recommendation to Ohio EPA. Ohio endorsed these projects on 5/7/20 and US EPA accepted them on 7/29/20. BUI 3b is not impaired. BUI 14b has all mgmt. actions being implemented. Once this list of projects is implemented the Restoration Targets for BUI 3: Degradation of Fish & Wildlife Populations, BUI 6: Degradation of Benthos, and BUI 14: Loss of Fish & Wildlife Habitat is expected to be achieved.

Project ID	Project name (Site name)	Target BUI(s)	AOC GLRI Funding	Other Funding	Implementer	Funding Source	Complete	--
COMPLETED								--
			\$0	\$0				--

FUNDED (In Progress)/FUNDING being PROCESSED		Target BUI(s)	AOC GLRI Funding	Other Funding	Implementer	Funding Source	Project Status	Estimated Complete
PD-5.0	Prairie Ditch Restoration at Secor Park: North of Visitor's Center	14a, 6	\$150,000	--	Metroparks Toledo	GLRI via U.S. EPA	Submitted in grants.gov	TBD
PD-6.0	Prairie Ditch Two-Stage and Floodplain Planting: Secor Park Expansion, Phase II	14a, 6	\$160,000	--	Metroparks Toledo	GLRI via U.S. EPA	Submitted in grants.gov	TBD
TuC-17.0	Wetland Enhancement in the Riverine of Turtle Creek (Sharlow) ^	14a, 3a, 6	\$302,325	\$9,160	Ottawa SWCD	GLRI via U.S. EPA & LEPP	Funded (8/21)	12/22
HTC-2.0	Headwaters Tenmile Creek Stream & Riparian Restoration ^{£*}	6, 14a, 3a	\$560,523	--	Lucas SWCD	GLRI via U.S. EPA	Submitted in grants.gov	TBD
AOC-2.0	Fish and Benthos Improvements with Urban Chloride Reductions (Phase 1)	6, 3a	\$311,000	--	Univ. of Toledo	GLRI via U.S. EPA passthru OEPA	Submitted in grants.gov	TBD
SiC-3.0	Restoration of the Ottawa River within Jermain Park*	3a, 6, 14a	\$650,353	--	City of Toledo (TES)	IA to NOAA/GLC Partnership	Approval Pending	TBD
OC-5.0	Collins Park Municipal Golf Course Stream Restoration (Part 1-FS)	14a, 3a, 6	\$175,500	--	City of Toledo (Parks)	IA to NOAA/GLC Partnership	Approval Pending	TBD
CeC-6.0	Dry Creek Ecological Stream and Riparian Project	14a, 6, 3a	\$580,000	--	Wood Co. Engineers	GLRI via U.S. EPA	Submitted in grants.gov	TBD
PC-2.0	Packer Creek Stream Restoration near Genoa-State Route 163*	14a	\$3,444,000	--	Ottawa SWCD	GLRI via U.S. EPA	Submitted in grants.gov	TBD
BD-2.0	Stream Restoration at Oregon Recreational Complex*	14a, 6	\$1,344,000	--	City of Oregon	GLRI via U.S. EPA	Funded (7/21)	12/24
HDOR-9.0	Hill Ditch Restoration at Toledo Natural Science Technology Center*	6, 14a	\$250,000	--	Toledo Public Schools	GLRI via U.S. EPA	Submitted in grants.gov	TBD
HDOR-13.0	Hill Ditch Restoration at Paisley Park	6	\$130,000	\$429,610	City of Toledo (TES)	GLRI via U.S. EPA	Submitted in grants.gov	TBD
LTC-13.0	Connected Wetland and Fish Passage at Camp Sabroske [£] (Part 1-Acq)	3a, 6, 14a	\$450,000	--	U.S. FWS	IA GLRI to U.S. FWS	Awaiting IA Transfer	TBD
TuC-18.0	Oxbow Channel Addition & Wetland Enhancement/ Reconnection in the Lacustrary of Turtle Creek (Minier & Kontz) [£]	14a, 3a, 6	\$3,300,000	--	U.S. FWS	IA GLRI to U.S. FWS	Awaiting IA Transfer	TBD
			\$11,807,701	\$438,770				

NEEDS FUNDNG		Target BUI(s)	Funding Needed	Other Funding	Proposed Implementer	Proposed Funding Source	Funding Status	Funding Priority
Tier Two								
LTC-13.0	Connected Wetland and Fish Passage at Camp Sabroske* (Part 2-E&D/Imp)	3a, 6, 14a	\$2,550,000	--	U.S. FWS, DU	IA to FWS & NOAA/DU	Awaiting Allocation	1
OC-5.0	Collins Park Municipal Golf Course Stream Restoration (Part 2-E&D/Imp)	14a, 3a, 6	\$524,500	--	City of Toledo (Parks)	IA to NOAA/GLC Partnership	Awaiting Allocation	2
CeC-4.0	Dry Creek Aquatic and Riparian Restoration (WM) [£]	14a, 6, 3a	\$500,000	--	Wood Co. Engineers	GLRI via U.S. EPA	Awaiting Allocation	3
PC-6.0	Packer Creek Stream and Riparian Restoration (Gargas) ^	14a	\$278,500	--	Ottawa SWCD	GLRI via U.S. EPA	Awaiting Allocation	4
HDSC-4.0	UTMC Swan Creek Restoration*	6, 14a	\$508,000	--	University of Toledo	GLRI via U.S. EPA passthru OEPA	Awaiting Allocation	5
HTC-12.2	Stream Restoration at Lathrop Park*	14a, 6	\$450,000	--	Village of Berkey	GLRI U.S. EPA or IA to NOAA/GLC	Awaiting Allocation	6
CeC-1.0	Nature Trails Park Riparian Restoration and Wetland Creation*	14a, 6, 3a	\$357,000	--	City of Northwood	GLRI via U.S. EPA	Awaiting Allocation	7
DC-2.0	Delaware Creek Park Restoration: Phase II	6, 14a	\$500,000	--	City of Toledo (TES)	GLRI via U.S. EPA	Awaiting Allocation	8
UBC-13.0	Maumee State Forest Blue Creek Stream Restoration*	14a	\$668,000	--	ODNR-Forestry	GLRI via U.S. EPA	Awaiting Allocation	9
Tier Three								
CrC-5.0	Crane Creek Lacustrary Wetland Restoration	14a, 3a, 6	\$1,500,000	--	U.S. FWS, DU	IA to FWS & NOAA/DU Prtnrshp	Awaiting Allocation	10a
LTC-1.0	Schiller Stream and Riparian Improvements*	14a, 3a, 6	\$678,000	--	U.S. FWS	IA GLRI to U.S. FWS	Awaiting Allocation	10b
OC-3.2	Berlin Avenue Floodplain and Stream Improvements^	14a, 6, 3a	\$557,136	--	City of Oregon	GLRI via U.S. EPA	Awaiting Allocation	11a
OC-3.3	Taylor Rd. and Yarrow St. Floodplain and Stream Improvements^*	14a, 6, 3a	\$690,000	--	City of Oregon	GLRI via U.S. EPA	Awaiting Allocation	11b
DD-7.0	Detwiler Park Municipal Golf Course Stream Restoration	6, 3a, 14a	\$1,000,000	--	City of Toledo (Parks)	GLRI via U.S. EPA	Awaiting Allocation	12
AC-3.0	Neis Ditch Stream Restoration [£]	14a, 6, 3a	\$400,000	--	Metroparks Toledo	GLRI via U.S. EPA	Awaiting Allocation	13a
LBC-17.1	Blue Creek Restoration at Blue Creek Metropark*	14a	\$550,000	--	Metroparks Toledo	GLRI via U.S. EPA	Awaiting Allocation	13b
Pending								
TuC-2.0	Turtle Creek North Nissen Road Restoration ^{£*} NEED NEW PROJECT	14a, 6, 3a	\$787,000	--	TBD	TBD	TBD	TBD
MR-14.0	Restoration Projects in Maumee RMs 15 to 7 (pending - tribal consultation/involvement& feasibility study)	3a, 14a, 6	\$9,000,000	--	TBD	TBD	TBD	TBD
SiC-13.0	Instream and Riparian Projects in the Lacustrary of Ottawa River (pending - sampling results)	3a, 6, 14a	\$3,000,000	--	TBD within 1 yr of data	TBD	TBD	TBD
			\$24,498,136	\$0				

NO GLRI-AOC (FA1) FUNDING REQUIRED, ALREADY FUNDED		Target BUI(s)	AOC GLRI Funding	Other Funding	Implementer	Funding Source	Complete	Funded
varies	20 already funded Aquatic Biological MAPs	3, 6, 14a	--	\$16,144,139	varies	varies	7 of 20	all
			\$0	\$16,144,139				

^ = acquisition

£ = acquisition or easement

* = concept plan

Estimated **Total AOC GLRI Funds** = \$36,305,837 | \$16,582,909 = Estimated **Total Non-AOC GLRI Funds**

Estimated **Total Cost** = \$52,888,746

Estimated **Funding Needed** = \$24,498,136

Estimated **Percentage of Non-AOC Funds Leveraged** = 31.4%

Complete Maumee AOC Management Action Project List for Contaminated Sediments (SedMAPs)

Updated 7/29/21

On 6/11/20 the MAAC approved these projects for recommendation to Ohio EPA. Ohio endorsed these projects on 6/29/20 and US EPA accepted them on 7/29/2020. These projects will address a variety of BUIs as listed with each project. These projects will lead to the direct removal of some BUIs, but other BUIs will require additional management actions as defined in those BUI-specific management action lists. Below is an explanation of the BUI numbering.

Sediment Projects

BUI	Project Site	Lead Agency	Task/Description	Funding Status	AOC GLLA Funding	Non-Federal Funding	Estimated Total Cost	Anticipated FFY
1,3,4,6,14	Ottawa River <i>(Reaches 1 - 4 area)</i>	US ACE (for GLNPO) ORD (for GLNPO)	Remedy Confirmation Study - Reach 1	Complete (2019)	\$446,723	-	\$446,723	19
			Remedy Effectiveness Study - Reach 2-4	Complete (2020)	\$1,100,000	-	\$1,100,000	20
			Decision document	In Progress	-	-	-	20
3,6,14	Halfway, Silver, Shantee Creeks	Ohio EPA	Field verification of conditions	Complete (11/20)	-	-	-	20
			Decision document	Complete (7/21)	-	-	-	21
6,14	Swan Creek (RM 4-0) <i>(Phase 1 & 2 area)</i>	GLNPO	SLERA	Complete (2019)	-	-	-	19
			Data Gap Investigation	In Progress	\$600,000	-	\$600,000	20
			Feasibility Study	Funded	\$195,000	\$105,000	\$300,000	21
			Remedial Design	Needs Funding	\$325,000	\$175,000	\$500,000	22
			Remedial Action/Construction	Needs Funding	\$12,025,000	\$6,475,000	\$18,500,000	23
			Remedy Effectiveness Study	Needs Funding	tbd	tbd	tbd	28
3,6,14	Maumee River - Upstream <i>(Phase 1 area)</i>	US ACE (for GLNPO)	SLERA	Complete (2019)	-	-	-	20
			Decision document	In Progress	-	-	-	20
3,6,7,14	Maumee River - Sway Bridge <i>(within Phase 2 area)</i>	US ACE (for GLNPO)	SLERA	Complete (2019)	-	-	-	20
			Data Gap Investigation	In Progress	\$725,300	-	\$725,300	21
			Feasibility Study	Funded	\$195,000	\$105,000	\$300,000	21
			Remedial Design	Needs Funding	\$325,000	\$175,000	\$500,000	23
			Remedial Action/Construction	Needs Funding	\$12,512,500	\$6,737,500	\$19,250,000	24
			Remedy Effectiveness Study	Needs Funding	tbd	tbd	tbd	29
3,6,14	Maumee River - WWTP <i>(within Phase 2 area)</i>	US ACE (for GLNPO)	SLERA	Complete (2019)	-	-	-	20
			Data Gap Investigation	In Progress	\$725,300	-	\$725,300	21
			Feasibility Study	Funded	\$195,000	\$105,000	\$300,000	21
			Remedial Design	Needs Funding	\$325,000	\$175,000	\$500,000	23
			Remedial Action/Construction	Needs Funding	\$21,612,500	\$11,637,500	\$33,250,000	24
			Remedy Effectiveness Study	Needs Funding	tbd	tbd	tbd	29
3,4,6,11,14	Otter Creek	US ACE (for GLNPO)	Remedial Design	Complete (2020)	\$1,300,000	\$700,000	\$2,000,000	20
			Remedy/Restoration Baseline Study	Complete (2020)	tbd	tbd	tbd	20
			Remedial Action/Construction	In Progress	\$6,500,000	\$3,500,000	\$10,000,000	21
			Remedy Effectiveness Study	Pending	tbd	tbd	tbd	26
			Restoration Effectiveness Study	Pending	tbd	tbd	tbd	26
3,4,6,14	Duck Creek	GLNPO	SLERA	Complete (2018)	-	-	-	19
			Decision document (NFA)	Complete (2019)	-	-	-	19

note: Italicized funding are rough estimates

\$59,107,323 \$29,890,000 \$88,997,323

Completed Tasks = \$3,546,723	In Progress/Funded Tasks = \$12,950,600	Needs Funding/Pending Tasks = \$72,500,000
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Cost Share Projects

Project ID	Project name (Site name)	Lead Implementer/ Partner	Funding Source	Funding Status	AOC GLLA Funding	Non-Federal Funding	Added to PA	Estimated Complete
CS-01	Cullen Park Flow Through Wetland (MB-2.0)	Toledo-Lucas Co Port Authority (TLCPA)	H2Ohio (SFY20-Phase 1)	In Progress	-	\$5,088,000	Oct. 2020	2021
CS-02	Grassy Island Flow Through Wetland	TLCPA	H2Ohio (SFY20-Phase 1)	In Progress	-	\$742,000	Oct. 2020	??
CS-03	Maumee Bay State Park (29-17)	TNC	H2Ohio (SFY20-Phase 1)	In Progress	-	\$2,000,000	Oct. 2020	2022
CS-4A	Ottawa NWR Nearshore Habitat Restoration (CrC-4.0)	Ottawa SWCD	H2Ohio (SFY20-Phase 1)	In Progress	-	\$600,000	Oct. 2020	2021
CS-4B	Turtle Creek Bay (Magee Marsh) Reconnection (TuC-20.0)	Erie SWCD	H2Ohio (SFY20-Phase 1)	In Progress	-	\$550,000	Oct. 2020	2021
CS-13	Oak Openings Preserve Metropark Wetland Expansion	Metroparks Toledo	H2Ohio (SFY20-Phase 1)	In Progress	-	\$867,000	Oct. 2020	2021
CS-25	VanOrder Woodland and Wetland Restoration	ODNR - Forestry	H2Ohio (SFY20-Phase 1)	In Progress	-	\$363,476	Oct. 2020	2022
CS-26	Navarre Marsh Wetland Restoration & Reconnection	DU	H2Ohio (SFY20-Phase 1)	In Progress	-	\$950,000	Oct. 2020	2022
CS-12	Mallard Club Wildlife Area Wetland Connection	Ducks Unlimited	H2Ohio (SFY20-Phase 2)	In Progress	-	\$767,071	June 2021	2024
CSM-15	Maumee River Shoreline Acquisition	Metroparks Toledo	Metroparks Toledo General Fund	In Progress	-	\$2,000,000	June 2021	2021
CSM-16	Oak Openings Preserve Metropark Wetland Expansion (PART 2 of CS-13)	Metroparks Toledo	Clean Ohio Fund District 12 (SFY20)	In Progress	-	\$483,625	June 2021	2021
CSM-17	Oak Openings Corridor Swamp Forest Protection (Reed)	Metroparks Toledo	Clean Ohio Fund District 12 (SFY21)	In Progress	-	\$584,000	June 2021	2021
CSM-18	Ravine Park Acquisition and Restoration (Garfield Greenway)	Metroparks Toledo	Clean Ohio Fund District 12 (SFY21)	In Progress	-	\$207,915	June 2021	2022
CSM-19	Swan Creek Preserve Expansion	Metroparks Toledo	Clean Ohio Fund District 12 (SFY21)	In Progress	-	\$162,005	June 2021	2022
CS-34	Clark Island Habitat Restoration Project	City of Toledo	H2Ohio (SFY21-Phase 3)	In Progress	-	\$620,000	June 2021	2024
CS-36	Duck and Otter Creek Wetland and Stream Restoration	Toledo/Lucas Co Port Authority	H2Ohio (SFY21-Phase 3)	In Progress	-	\$1,800,000	June 2021	2024
CS-45	Toussaint Shooting Club Reconnections	Ottawa SWCD	H2Ohio (SFY21-Phase 3)	In Progress	-	\$2,000,000	June 2021	2023

\$19,785,092

Beneficial Use Impairments

BUI 1:	Restrictions on Fish & Wildlife Consumption	Eutrophication or Undesirable Algae	BUI 8:
BUI 2:	Tainting of Fish and Wildlife Flavor	Restrictions on Drinking Water Consumption or Taste & Odor Problems	BUI 9:
BUI 3:	Degradation of Fish & Wildlife Populations	Beach Closings (Recreational Contact)	BUI 10:
BUI 4:	Fish Tumors or Other Deformities	Degradation of Aesthetics	BUI 11:
BUI 5:	Bird or Animal Deformities or Reproductive Problems	Added Costs to Agriculture or Industry	BUI 12:
BUI 6:	Degradation of Benthos	Degradation of Phytoplankton and Zooplankton Populations	BUI 13:
BUI 7:	Restrictions on Dredging Activities	Loss of Fish & Wildlife Habitat	BUI 14: